



1. CONTACT CITY OF MESA, WATER QUALITY SERVICES, FOR LATEST LIST OF APPROVED BACKFLOW PREVENTERS OR CERTIFIED TESTERS.
2. BACKFLOW PREVENTERS MUST BE TESTED BY A CERTIFIED TESTER BEFORE A FINAL APPROVAL IS ISSUED.
3. ALL COPPER PIPE JOINTS SHALL BE SOLDERED. THE SOLDER ALLOY SHALL COMPLY W/ ASTM B 32 HAVING A SILVER CONTENT OF NOT LESS THAN 3.4% INTENDED FOR JOINING COPPER PIPES FOR POTABLE WATER SYSTEMS (GRADES SN 94, SN 95, OR SN 96). THE FLUX SHALL BE TYPE OA FOR GENERAL SOLDERING ON COPPER.
4. INSTALL A BRASS PIPE PLUG IN EACH TESTCOCK ON THE ASSEMBLY.
5. PRESSURE VACUUM BREAKERS MUST BE INSTALLED AT LEAST 12-INCHES ABOVE ALL DOWNSTREAM PIPING AND THE HIGHEST OUTLET ON THE SYSTEM. IF THIS DISTANCE EXCEEDS 24-INCHES A REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY MUST BE UTILIZED. SEE C.O.M. DETAIL M-31.3.
6. FINISHED GRADE UNDER THE BACKFLOW PREVENTER SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
7. PROVIDE 12-INCH MINIMUM CLEARANCE BETWEEN BACKFLOW PREVENTION ASSEMBLY AND PERMANENT STRUCTURES OR LANDSCAPE VEGETATION.

- ① APPROVED PRESSURE VACUUM BREAKER ASSEMBLY, BALL VALVES INCLUDED.
- ② TYPE "L" COPPER PIPE, 3/4" THRU 2".
- ③ 90° ELL, COPPER, 3/4" THRU 2".
- ④ PIPE UNION, BRASS OR COPPER

DETAIL NO.  
M-31.5